

IN THE CLAIMS

1-9. (cancelled)

10. (currently amended) The apparatus of claim 239, wherein said magnet comprises a solenoidal magnet.

11. (original) The apparatus of claim 10, wherein said magnet comprises a superconducting solenoidal magnet.

12. (currently amended) The apparatus of claim 239, wherein said magnet comprises a U-shaped magnet.

13. (currently amended) The apparatus of claim 239, wherein said one or more motors comprise at least one electrical device capable of causing said magnet ~~vertical support members~~ to move in a substantially vertical direction.

14. (currently amended) The apparatus of claim 239, wherein said one or more motors comprise at least one electromechanical device capable of imparting the desired motion to said magnet ~~vertical support members~~.

15. (currently amended) The apparatus of claim 239, wherein said one or more motors comprise at least one pneumatic device capable of imparting the desired motion to said magnet ~~vertical support members~~.

16. (currently amended) The apparatus of claim 239, wherein said one or more motors comprise at least one hydraulic device capable moving said magnet ~~vertical support members~~ in a substantially vertical direction.

17-21. (cancelled)

22. (previously presented) The apparatus of claim 12, wherein said U-shaped magnet comprises a superconducting magnet.

23. (new) An apparatus for magnetic resonance imaging comprising:

a magnet having a patient receiving space;

a patient support positioned within said receiving space, the patient support being elongated along a first direction and slidably mounted to an elevator frame, said elevator frame rotatably mounted to a fulcrum of a carriage at a location substantially at the midpoint of said elevator frame, wherein said carriage moves on one or more rails along a substantially horizontal direction, said patient support slides relative to said elevator frame along said first direction, and said fulcrum rotates said frame about an axis so as to position a patient supported on said patient support relative to said receiving space;

a pair of substantially vertical support members connected to said magnet at opposite ends of said magnet,

at least one of said pair of vertical support members adapted to rotate about an axis; and

a motor coupled to said at least one rotatable vertical support member, said motor adapted to rotate said rotatable vertical support member about said axis so as to move said magnet in a substantially vertical direction.

24. (new) The apparatus of claim 23, wherein at least one of said pair of vertical support members comprises a screw jack.

25. (new) An apparatus for magnetic resonance imaging comprising:

a magnet having a patient receiving space;

a patient support positioned within said receiving space, the patient support being elongated along a first direction and slidably mounted to an elevator frame, said elevator frame rotatably mounted to a fulcrum of a carriage at a location substantially at the midpoint of said elevator frame, wherein said carriage moves on one or more rails along a substantially horizontal direction, said patient support slides relative to said elevator frame along said first direction, and

said fulcrum rotates said frame about an axis so as to position a patient supported on said patient support relative to said receiving space;

a pair of substantially vertical support members connected to said magnet at opposite ends of said magnet, at least one of said pair of vertical support members adapted to rotate about an axis; and

means for rotating said at least one rotatable vertical support member about said axis so as to move said magnet in a substantially vertical direction.